

SCENARIO BASED SQL QUESTIONS

Give 20% salary hike to employees who has completed 5 years of service in the organization?

```
CREATE TABLE EMPLOYEE (  
ID INT,  
NAME VARCHAR (40),  
DEPT VARCHAR (40),  
DATE_OF_JOINING DATE,  
SALARY INT);
```

```
INSERT INTO EMPLOYEE VALUES (1,'A', 'SALES','2020-06-08',40000),  
(2,'B', 'ADMIN','2022-11-11' ,50000),  
(3, 'C','ANALYST','2016-05-22',70000),  
(4,'D','HR','2022-12-30' ,60000),  
(5, 'E','R&D','2020-09-20',60000),  
(6,'F','SALES','2018-04-10' ,30000);
```

```
SELECT * FROM EMPLOYEE;
```

/*---TIMESTAMPDIFF use to calculate the difference between the timestamps in MySQL*/

```
SELECT *, TIMESTAMPDIFF (YEAR, DATE_OF_JOINING, CURRENT_DATE()) AS  
YEARS_OF_SERVICE FROM EMPLOYEE ;
```

```
WITH CTE AS
```

```
(  
SELECT *, TIMESTAMPDIFF (YEAR, DATE_OF_JOINING, CURRENT_DATE()) AS  
YEARS_OF_SERVICE FROM EMPLOYEE  
)
```

```
SELECT NAME, YEARS_OF_SERVICE, SALARY,  
CASE WHEN YEARS_OF_SERVICE >=5 THEN (SALARY * 0.02)  
      WHEN YEARS_OF_SERVICE <5 THEN 0 END AS SALARY_HIKE  
FROM CTE;
```